## INTERNATIONAL SEARCH REPORT

In nal Application No PCT/US2004/018026

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B25B29/02 B23P11/02 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 B25B F16B B23P Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category ° 1-13,PATENT ABSTRACTS OF JAPAN 15-18 vol. 0080, no. 50 (M-281), 7 March 1984 (1984-03-07) -& JP 58 203214 A (MITSUBISHI JUKOGYO KK), 26 November 1983 (1983-11-26) 14 abstract; figures 1,2,4 FR 902 682 A (SKF SVENSKA KULLAGERFAB AB) 14 10 September 1945 (1945-09-10) 12,13 figures Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the International filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not cited to understand the principle or theory underlying the considered to be of particular relevance 'E' earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means in the art. "P" document published prior to the international filing date but later than the priority date claimed \*& document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 10/11/2004 27 October 2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Kühn, T Fax: (+31-70) 340-3016

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## INTERNATIONAL SEARCH REPORT

In onal Application No
Full US2004/018026

.(Continu	etion) DOCUMENTS CONSIDERED TO BE RELEVANT		
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	BUDIG R ET AL: "FLUESSIGES HAELT FEST. FUNKTIONSSICHERHEIT VON DRUCKOELVERBAENDEN BESTIMMT DETAILS" MECHANISCHE VERBINDUNGSTECHNIK, VDI VERLAG. DUSSELDORF, DE, vol. 13, no. 4, 1989, page 21, XP000104366 ISSN: 0720-9886 the whole document	1-18	
A	DE 44 43 238 A (HALBERSTADT MASCHBAU) 30 May 1996 (1996-05-30) the whole document	1,6,9,15	
<b>A</b>	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 12, 31 October 1998 (1998-10-31) -& JP 10 184651 A (DAIWA RASHI:KK), 14 July 1998 (1998-07-14) abstract; figures	1,6,9,15	
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## INTERNATIONAL SEARCH REPORT

Int onal Application No
Pul/US2004/018026

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
JP 58203214	A	26-11-1983	NONE			
FR 902682	Α	10-09-1945	NONE			
DE 4443238	А	30-05-1996	DE	4443238 A1	30-05-1996	
JP 10184651	A	14-07-1998	JP	3172470 B2	04-06-2001	